

## **INTERACTIVE DOMAIN CONFIGURATION**

### **ABSTRACT**

Described herein are methods and systems for interactively configuring and  
5 producing a data domain for various data structure elements of a computer program. A  
domain configuration manager is described which interactively receives domain  
configuration information corresponding to a data structure element, reads a reflection  
of the program and produces a data domain according to domain configuration  
information. The domain configuration manager is capable of producing a data domain  
10 for a data structure element according to such domain configuration information such as  
an explicit expression, inheritance or domain generation technique. The reflection of  
the computer program exposes the methods and functions of the program to be used in  
the explicit expression regardless of the visibility rules. Also, predicates and conditions  
can be used with domain generation techniques to further narrowly configure the data  
15 domains.

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